



A

0430  
0300

0490  
PATENT #6  
45900-000713

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/017,230

Filing Date: December 7, 2001

Applicant: Mette Vesterager PETERSEN, et al.

Title: METHOD OF GENERATING PSEUDO-RANDOM  
NUMBERS IN AN ELECTRONIC DEVICE, AND A  
METHOD OF ENCRYPTING AND DECRYPTING  
ELECTRONIC DATA

Attorney Docket: 45900-000713

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

March 8, 2002

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information submitted for consideration by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

A. ☒ Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cited pending U.S. application, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B. ☐ Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C.    This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form-1449 for consideration by the Examiner and for listing on any patent resulting from this application. Since the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g))

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A.   X   Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B.    A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1.    See the attached foreign search report.
2.    English translations are provided for: Abstracts
3.    Other:

C.    The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A.    The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. A copy of each co-pending application is attached for the Examiner's information. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.

Filing Date

Art Unit

V. THIS IDS IS BEING FILED UNDER

A.   X   37 C.F.R. § 1.97(b): (check only one box)

1.    within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
2.    within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.

3. X before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

4. \_\_\_ before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B. \_\_\_ 37 C.F.R. § 1.97(c): (check only one box)

- before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

1. \_\_\_ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

2. \_\_\_ See the certification below. No fee is required.

C. \_\_\_ 37 C.F.R. § 1.97(d):

- after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1. \_\_\_ See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

A. \_\_\_ each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)); or

B. \_\_\_ no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. \_\_\_ Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. PAYMENT OF FEES (check only one box)

A. \_\_\_ A check in the amount of \$180.00 is enclosed for the above-identified fee.

B. \_\_\_ Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

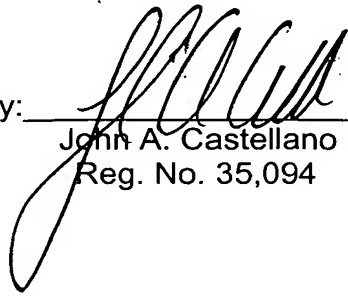
The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

By: \_\_\_\_\_

  
John A. Castellano  
Reg. No. 35,094

HARNES, DICKEY & PIERCE, P.L.C.  
P.O. Box 8910  
Reston, VA 20195  
(703) 390-3030

JAC:ewd

FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Sheet 1 of 3



ATTORNEY DOCKET No.	SERIAL No.
459000-000713	10/017,230
APPLICANT	
Mette Vesterager PETERSEN, et al.	
FILING DATE	GROUP
December 7, 2001	unknown

# U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
		5,007,087	April 9, 1991	Bernstein et al.		
		5,048,086	September 10, 1991	Bianco et al.		
		5,193,115	March 9, 1993	Vobach		
		5,442,705	August 15, 1995	Miyano		
		5,479,513	December 26, 1995	Protopopescu et al.		
		5,572,454	November 5, 1996	Lee et al.		
		5,612,973	March 18, 1997	Gershenfeld		
		5,680,462	October 21, 1997	Miller et al.		
		5,696,826	December 9, 1997	Gao		
		5,696,828	December 9, 1997	Koopman, Jr.		
		5,729,607	March 17, 1998	DeFries et al.		
		5,732,138	March 24, 1998	Noll et al.		
		5,751,811	May 12, 1998	Magnotti et al.		
		5,757,923	May 26, 1998	Koopman, Jr.		
		5,960,201	September 28, 1999	Ma et al.		
		6,014,445	January 11, 2000	Kohda et al.		
		6,018,582	January 25, 2000	Francois et al.		
		6,049,614	April 11, 2000	Kim		
		6,064,738	May 16, 2000	Fridrich		
		6,078,665	June 20, 2000	Anderson et al.		
		US 6,178,217	January 23, 2001	Defries et al.		
		US 6,295,376	September 25, 2001	Nakaya		
		US 6,301,360	October 9, 2001	Bocionek et al.		
		US 2001/0028682	October 11, 2001	Nakaya et al.		
		US 2001/0028745	October 11, 2001	Nakaya		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 2 of 3



ATTORNEY DOCKET No.

459000-000713

SERIAL No.

10/017,230

APPLICANT

Mette Vesterager PETERSEN, et al.

FILING DATE

December 7, 2001

GROUP

unknown

## FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation	
						Yes	No
		0 467 239 A2	1-22-1992	EPO			
		0 618 701 A2	10-05-1994	EPO			
		EP 0 884 912 A2	12-16-0998	EPO			
		EP 0 896 452 A2	2-10-1999	EPO			
		EP 0 940 675 A1	9-08-1999	EPO			
		EP 0 994 598 A1	4-19-2000	EPO			
		EP 1 001 641 A2	5-17-2000	EPO			
		EP 1 063 811 A1	12-27-2000	EPO			
		EP 1 069 498 A2	1-17-2001	EPO			
		EP 1 113 617 A2	07-04-2001	EPO			
		EP 1 119 133 A2	07-25-2001	EPO			
		EP 0 949 563 A2	10-13-1999	EPO			
		WO 96/06494	02-29-1996	PCT			
		WO 96/38946	12-05-1996	PCT			
		WO 97/11423	03-27-1997	PCT			
		WO 98/10562	03-12-1998	PCT			
		WO 98/24205	06-04-1998	PCT			
		WO 98/36523	08-20-1998	PCT			
		WO 98/59458	12-30-1998	PCT			
		WO 00/07327	02-10-2000	PCT			
		WO 00/28695	05-18-2000	PCT			
		WO 01/47178 A2	06-28-2001	PCT			

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Sheet 3 of 3

ATTORNEY DOCKET No.

459000-000713

SERIAL No.

10/017,230

APPLICANT

Mette Vesterager PETERSEN, et al.

FILING DATE

December 7, 2001

GROUP

unknown



--	--	--	--	--	--	--	--

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

Ref. Desig.	Examiner's Initials	
		Hiroyuki Kamata, et.al, "Secure Communication System Using Chaos Via DSP Implementation", 05-12-1996, pgs 112-115
		John M. Carroll, et al., "Chaos In Cryptography: The Escape From The Strange Attractor", Jan. 1992, pgs. 52-72
		European Search Report dated November 13, 2001

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.